INSTRUCTION MANUAL

for

CLAYCO SPORTS

MODEL—AKS

SEMI-AUTOMATIC

RIFLE

A COPY OF THE INSTRUCTION MANUAL FOR EACH MODEL CLAYCO SPORTS FIREARM IS AVAILABLE FROM THE IMPORTER ON REQUEST. THESE INSTRUCTION MANUALS CONTAIN IMPORTANT WARNINGS WHICH SHOULD BE UNDERSTOOD BEFORE USING THESE FIREARMS. THIS INSTRUCTION MANUAL SHOULD ALWAYS ACCOMPANY THIS FIREARM AND BE TRANSFERRED WITH IT UPON CHANGE OF OWNERSHIP.

CLAYCO SPORTS LTD.

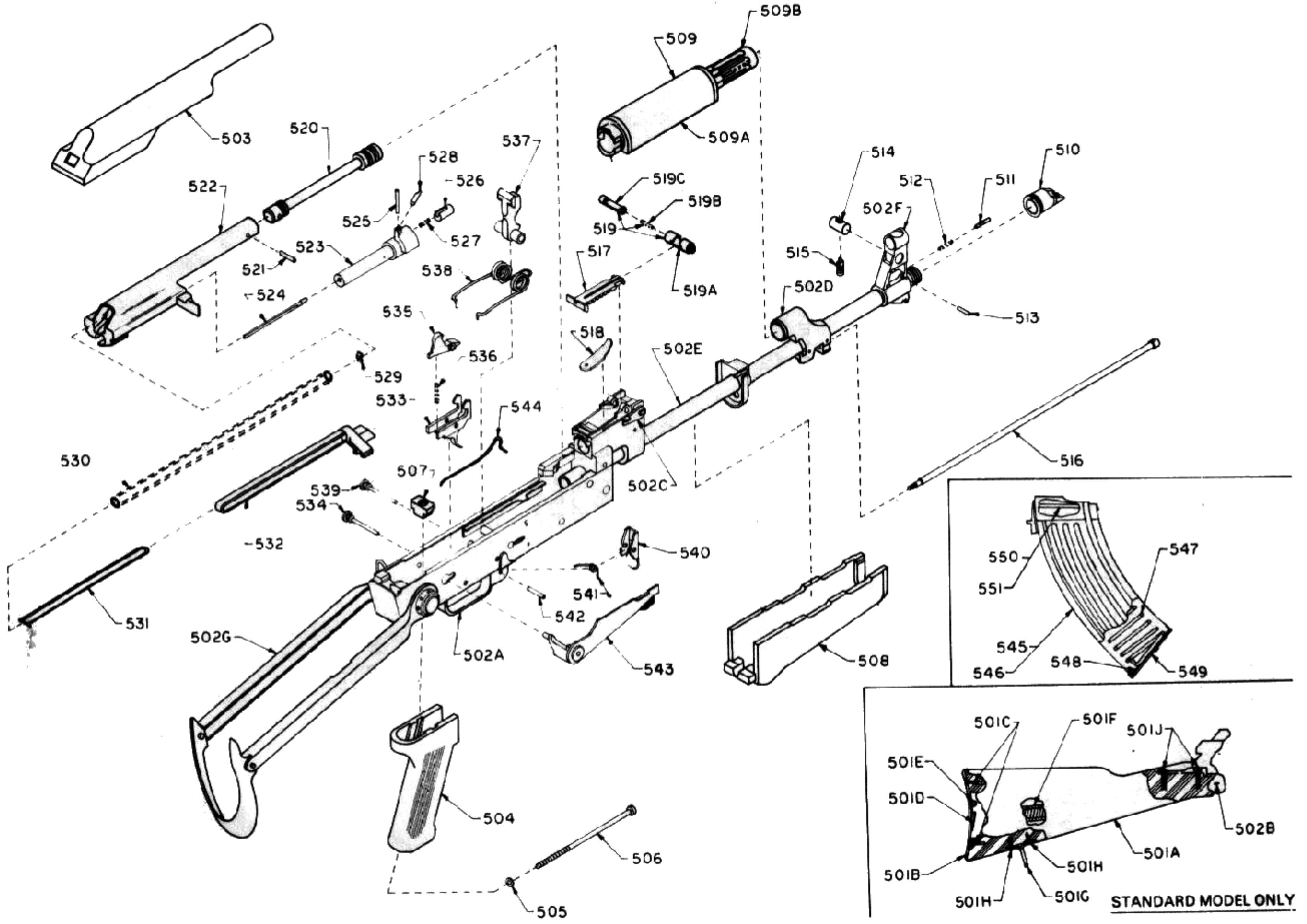
614 Fifth Street

Clay Center, Kansas 67432

3/84

PARTS LIST

501A ..... Buttstock, Standard
501B ..... Butt Plate (Std. Model)
501C ..... Butt Plate Screws (Std. Model)
501D ..... Butt Plate Cap (Std. Model)
501E ..... Butt Plate Cap Spring (Std.)
501F ..... Butt Plate Spring (Oiler Removal)
501G ..... Buttstock Sling Swivel (Std. Model)
501H ..... Buttstock Sling Swivel Screw (Std.)
501J ..... Buttstock Tang Screw (Std. Model)
502A ..... Receiver & Trigger Guard Compl. (Folding)
502B ..... Receiver & Trigger Guard Compl. (Std.)
502C ..... Lock Lever, Gas Cylinder
502D ..... Gas Connector
502E ..... Barrel
502F ..... Front Sight Ramp
502G ..... Buttstock, Folding
503 ..... Action Cover
504 ..... Grip
505 ..... Grip Screw Washer
506 ..... Grip Screw
507 ..... Grip Screw Nut
508 ..... Lower Handguard
509 ..... Upper Hand Guard Compl.
509A ..... Upper Hand Guard
509B ..... Gas Cylinder
510 ..... Compensator
511 ..... Compensator Lock
512 ..... Compensator Lock Spring
513 ..... Compensator Lock Pin
514 ..... Front Sight Adjusting Block
515 ..... Front Sight Post
516 ..... Cleaning Rod
517 ..... Rear Sight
518 ..... Rear Sight Spring
519 ..... Rear Sight Adjusting Slide Assy.
519A ..... Rear Sight Adjusting Block
519B ..... Rear Sight Adjusting Slide Spring
519C ..... Rear Sight Adjusting Slide Insert
520 ..... Gas Piston
521 ..... Gas Piston Retaining Pin
522 ..... Bolt Carrier
523 ..... Bolt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STANDARD MODEL ONLY

REASSEMBLY

Reassembly is just the reverse of steps for disassembly. The compensator is replaced by turning it on the muzzle counter-clockwise and is retained by the compensator lock. The upper handguard with gas cylinder is replaced and locked. Next, assemble the bolt by replacing the extractor, extractor spring and extractor retainer pin. Now, place the firing pin into the bolt and retain it with the firing pin retaining the pin. Next, replace the bolt into the bolt carrier assembly. The bolt carrier with gas piston is next inserted into the rear of the gas cylinder. After insertion, the bolt carrier with bolt, is depressed into the receiver rails and smartly pushed forward by the bolt operating handle. The action return spring is now inserted into the rear of the bolt carrier and securely locked into the rear of the receiver. The action cover is replaced next. The action cover must fit properly in the groove below the rear sight and be held in position by the action return spring retaining block.

SERVICE

Before shipment every CLAYCO SPORTS firearm is carefully inspected and test fired in order to prove that it is in perfect condition and conforms to our specifications and standards. If there is any question with regard to the performance of the rifle, please write to our Service Department, fully describing all circumstances and conditions involved.

If your rifle should require service or repair we suggest you return it to our own repair facility for servicing. The address is:

CLAYCO SPORTS LTD.
SERVICE DEPARTMENT
614 FIFTH STREET
CLAY CENTER, KANSAS 67432

Please do not send to our service center your scope or gun case with the firearm being sent for repair.

524 . . . . . Firing Pin
525 . . . . . Firing Pin Retaining Pin
526 . . . . . Extractor
527 . . . . . Extractor Spring
528 . . . . . Extractor Retainer Pin
529 . . . . . Front Guide Retainer
530 . . . . . Action Return Spring
531 . . . . . Front Action Return Spring Guide
532 . . . . . Action Return Spring Guide
533 . . . . . Trigger
534 . . . . . Trigger Pin
535 . . . . . Sear
536 . . . . . Sear Spring
537 . . . . . Hammer
538 . . . . . Hammer Spring
539 . . . . . Hammer Pin
540 . . . . . Magazine Latch
541 . . . . . Magazine Latch Spring
542 . . . . . Magazine Latch Pin
543 . . . . . Safety Lever
544 . . . . . Hammer & Trigger Pin Retainer
545 . . . . . Magazine (30 Shot Compl.)
546 . . . . . Magazine (5 Shot Compl.)
547 . . . . . Magazine Spring
548 . . . . . Magazine Spring Bottom Retainer
549 . . . . . Magazine Bottom Plate
550 . . . . . Cartridge Follower (30 shot)
551 . . . . . Cartridge Follower (5 shot)

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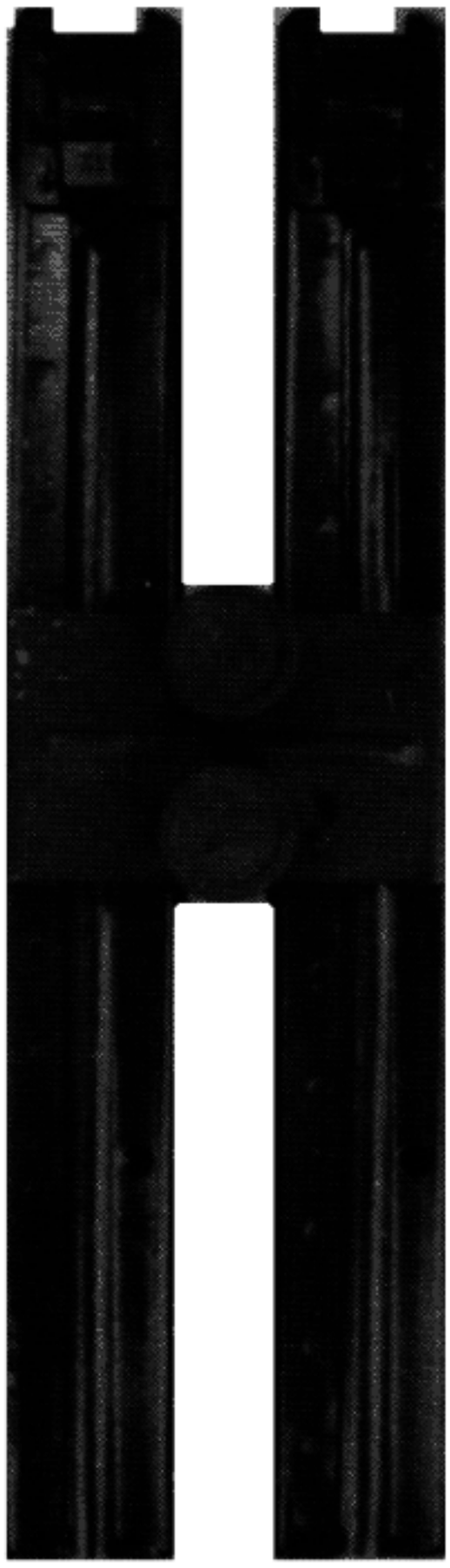
CLAYCO SPORTS LTD.



To assemble, install the two round head screws through the holes in the first bracket, into the two holes without bushings and tighten. Then place two magazines in position and snap the top retainer bracket into place and secure with two thumb screws.

Figure 22

2 - 30 rd. magazines assembled with MAG-PAC on the AKS Folding Stock Model.

Figure 23

SLING

Figure 24. Sling attached to AKS.

KNIFE BAYONET

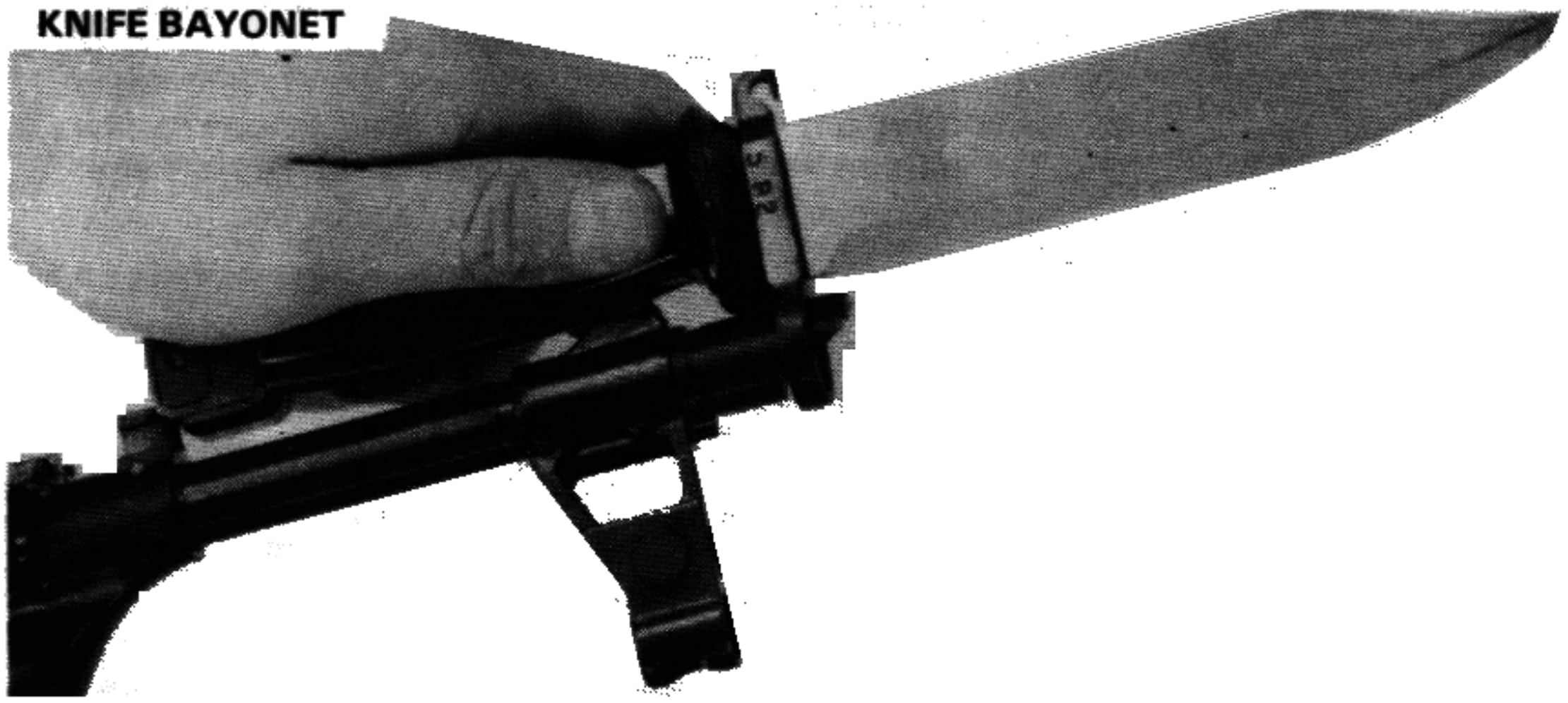


Figure 25 Attaching the Knife bayonet

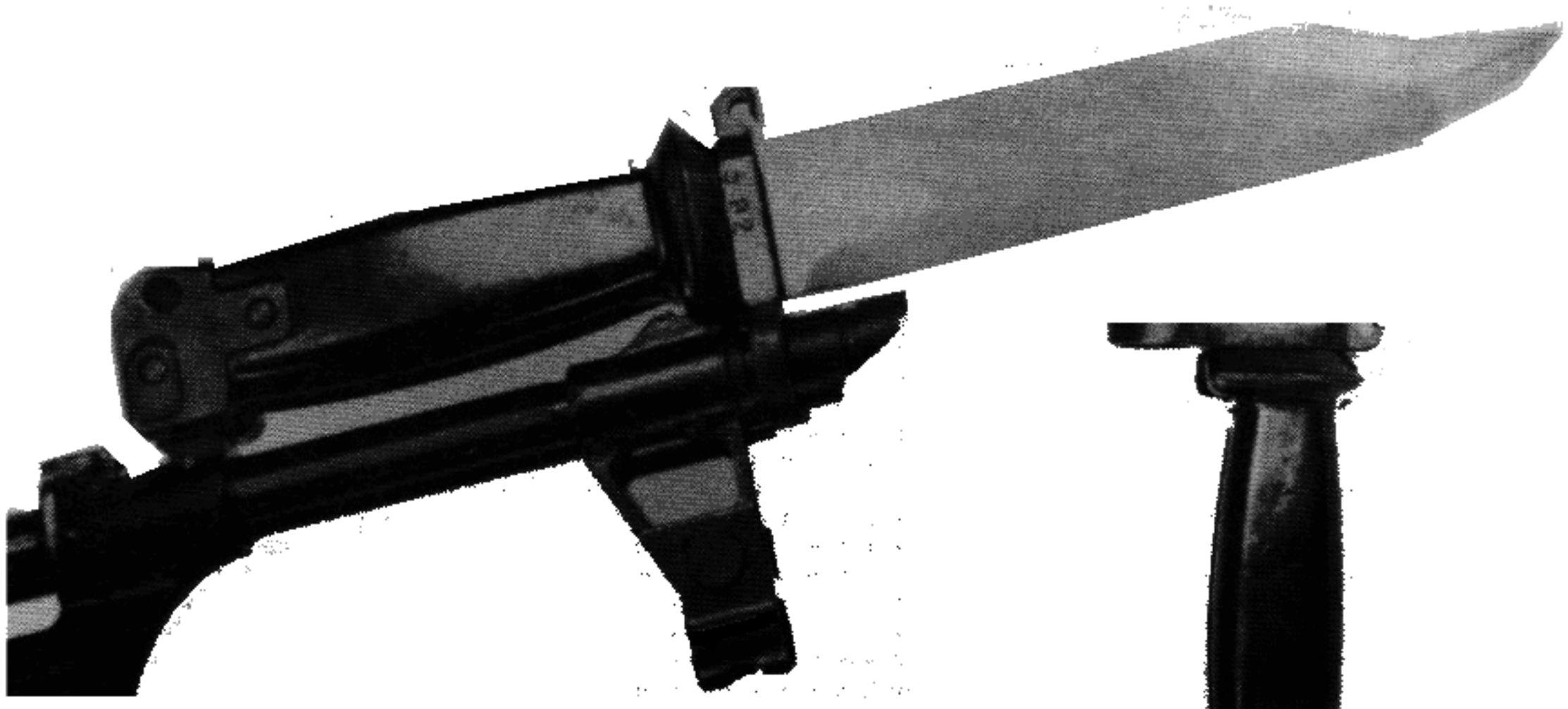


Figure 26 Knife bayonet locked in position

To remove bayonet, depress the lock release button and slide the bayonet forward and off the AKS.

Figure 27

2. Using the cleaning rod with jag and patch enough snug fit in bore, insert rod and patch in barrel from the muzzle end. Allow the accessory case cap to cover the muzzle and align the cleaning rod on the bore. The accessory cap will help prevent the cleaning rod from striking the crown of the muzzle. Damage to this area can adversely affect the accuracy of the rifle.

3. Inspect the chamber and bore for powder fouling. A normal amount of powder residue can be expected and is not serious. It can usually be removed by repeating Step Number 1, using a patch saturated with nitro-solvent. If or when fouling should become heavy, it can be removed with the bore brush. Dip the brush in nitro-solvent and scrub the chamber and bore until the fouling is removed. To prevent bristles from breaking off, the brush should be pushed completely through the bore before being withdrawn.

4. After fouling has been removed, the bore should be wiped dry and then a slightly oiled patch run through it for preservation.

5. The gas cylinder, bolt, bolt carrier with gas piston, action spring and action cover should be wiped off with a clean cloth. Any dried oil or fouling in these areas should be removed. Follow this cleaning by applying a very light film of oil on bolt, bolt carrier and action spring. The gas piston and gas cylinder should be free of all traces of oil. Do not pour large quantities of oil into the receiver.

6. Wipe all exposed metal surfaces with an oiled cloth, making sure to wipe gun clean of all finger marks where moisture will accumulate. Ordinary good judgement will, of course, indicate that the metal of the gun should receive a light film of oil any time the gun has been exposed to adverse weather or handling.

MAGAZINE DISASSEMBLY

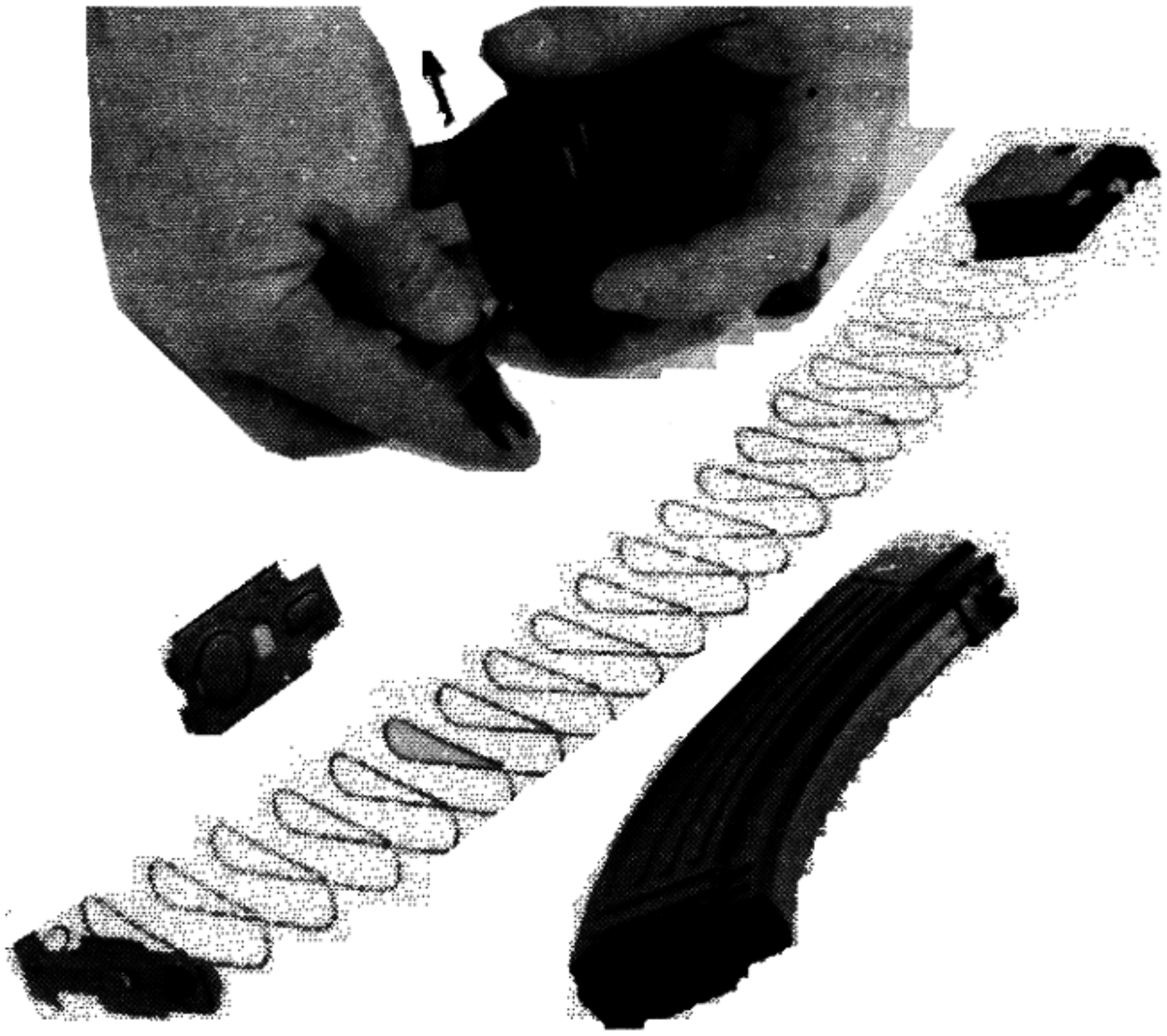


Figure 21

To disassemble the magazine for cleaning, use the knock out rod of the Combination Tool. Depress the magazine spring bottom retainer and slide the magazine bottom plate from the magazine housing.

8. To remove the upper handguard with gas cylinder lift up on the lock lever located on the right side of the rear sight until it will allow the upper hand-guard with gas cylinder to be removed. (See figure 18a.)

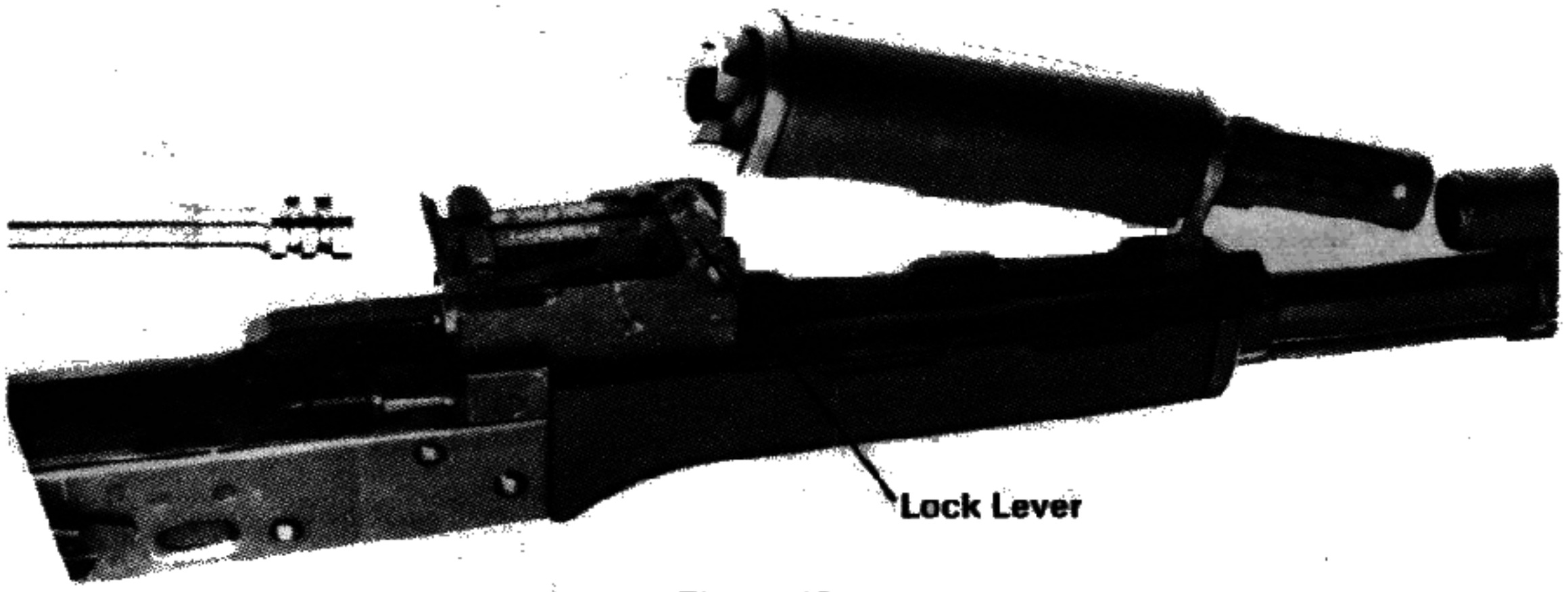


Figure 18a

NOTE: If the lock lever is extremely tight, the accessory case may be used to aid in releasing lock lever. (See Figure 18b.)

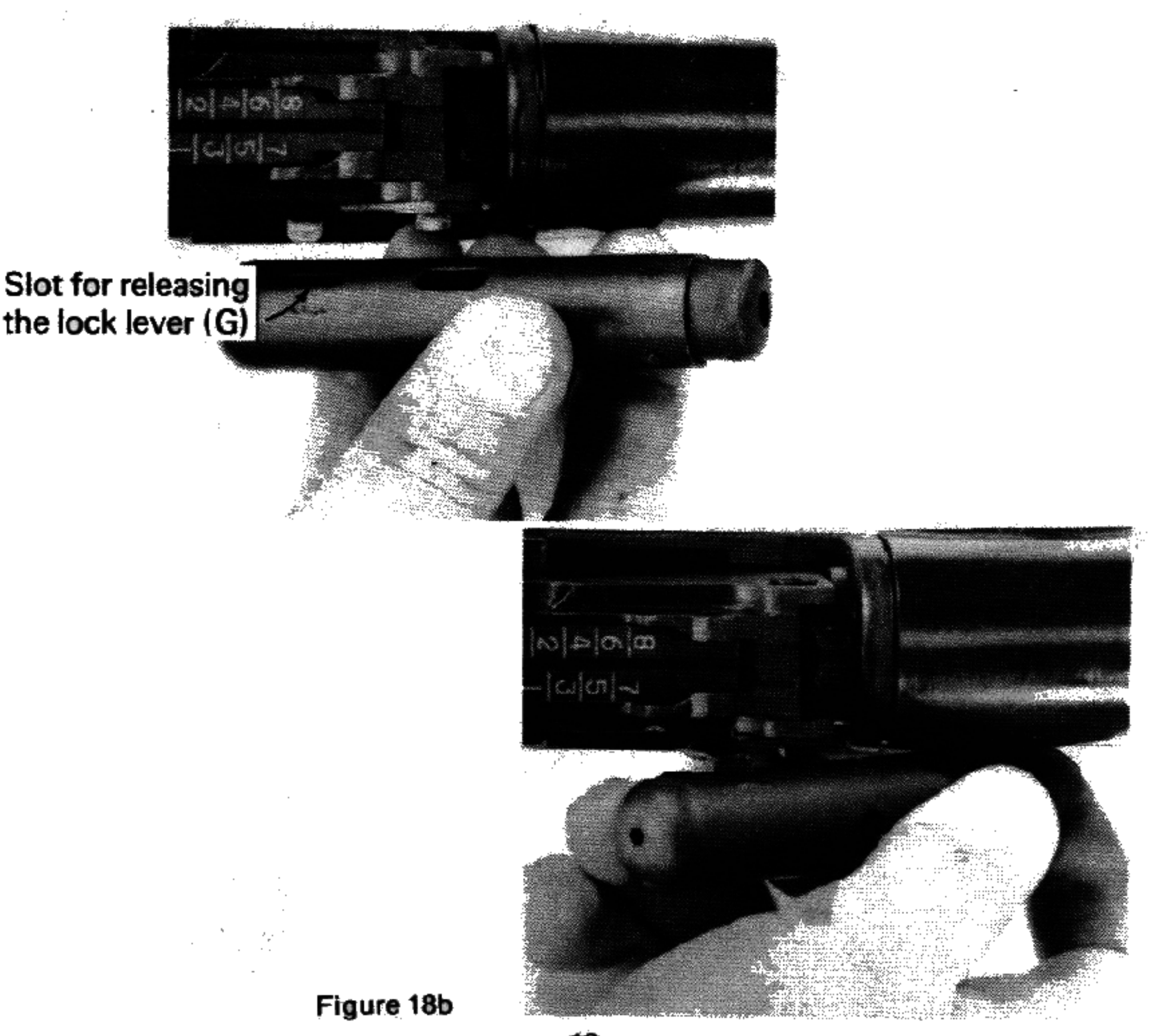


Figure 18b

9. To remove the compensator, use the screwdriver end of the combination tool to depress the compensator lock while turning the compensator clockwise off the barrel.

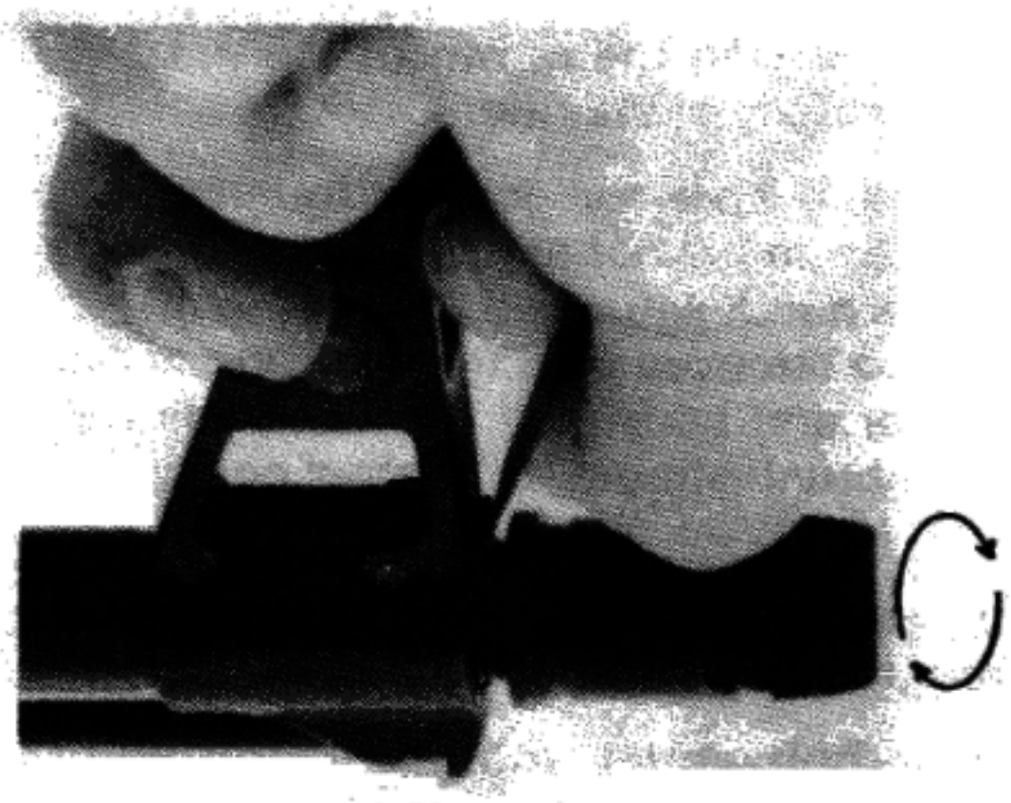


Figure 19

This is sufficient disassembly for all practical cleaning and lubricating required. Further disassembly is recommended only by competent gunsmiths or the CLAYCO SPORTS LTD. service facility.

CLEANING

The correct procedure for cleaning your disassembled rifle follows:

1. Insert the gas port reamer into the gas port of the AKS. (See figure 20.) Turn clockwise until fouling is removed.

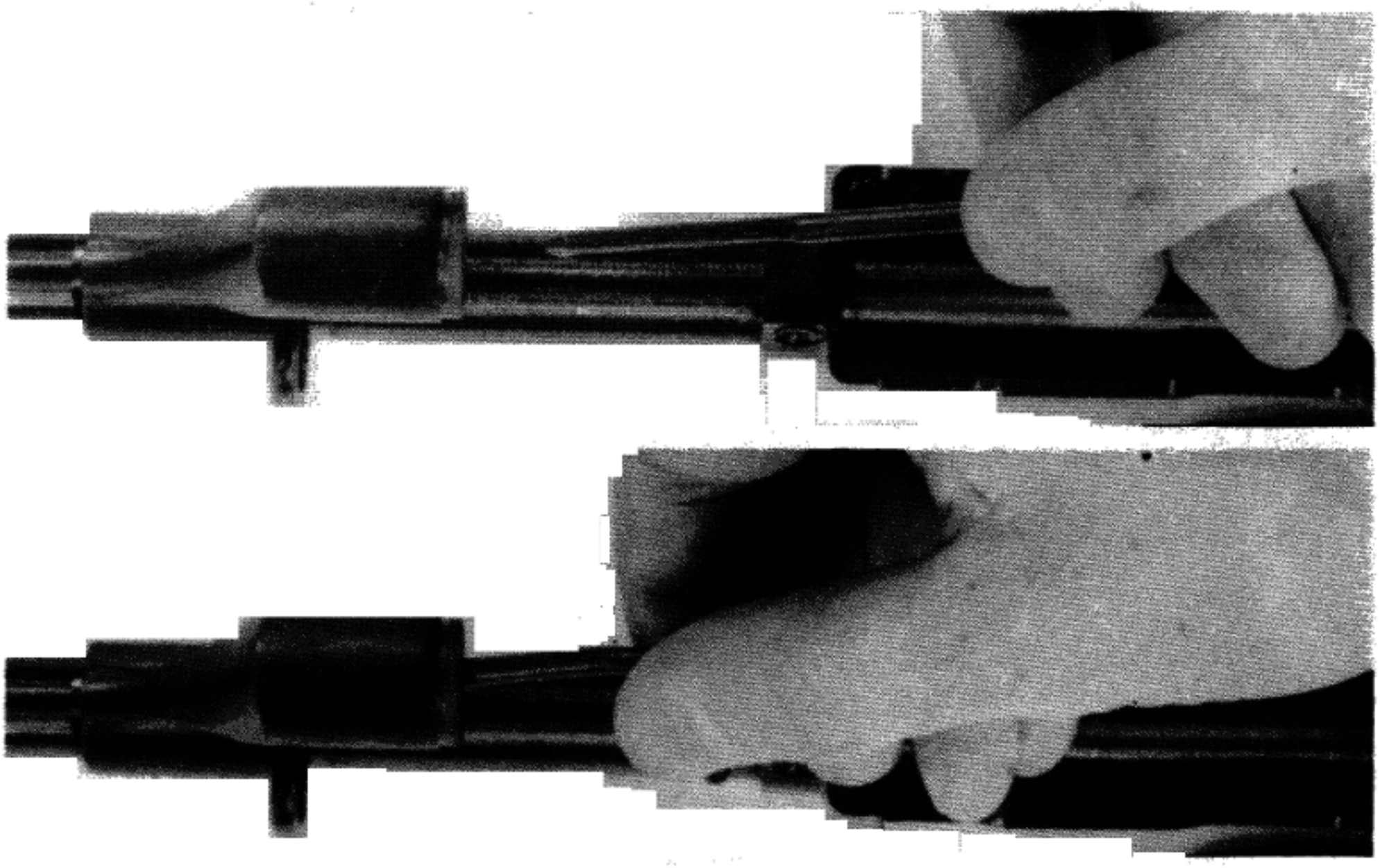


Figure 20

6. Remove the bolt from the bolt carrier by pivoting the bolt clockwise to the rear and turning an additional ¼ turn. Next, remove the bolt from the bolt carrier by extracting it toward the gas piston. (See Fig. 15.)

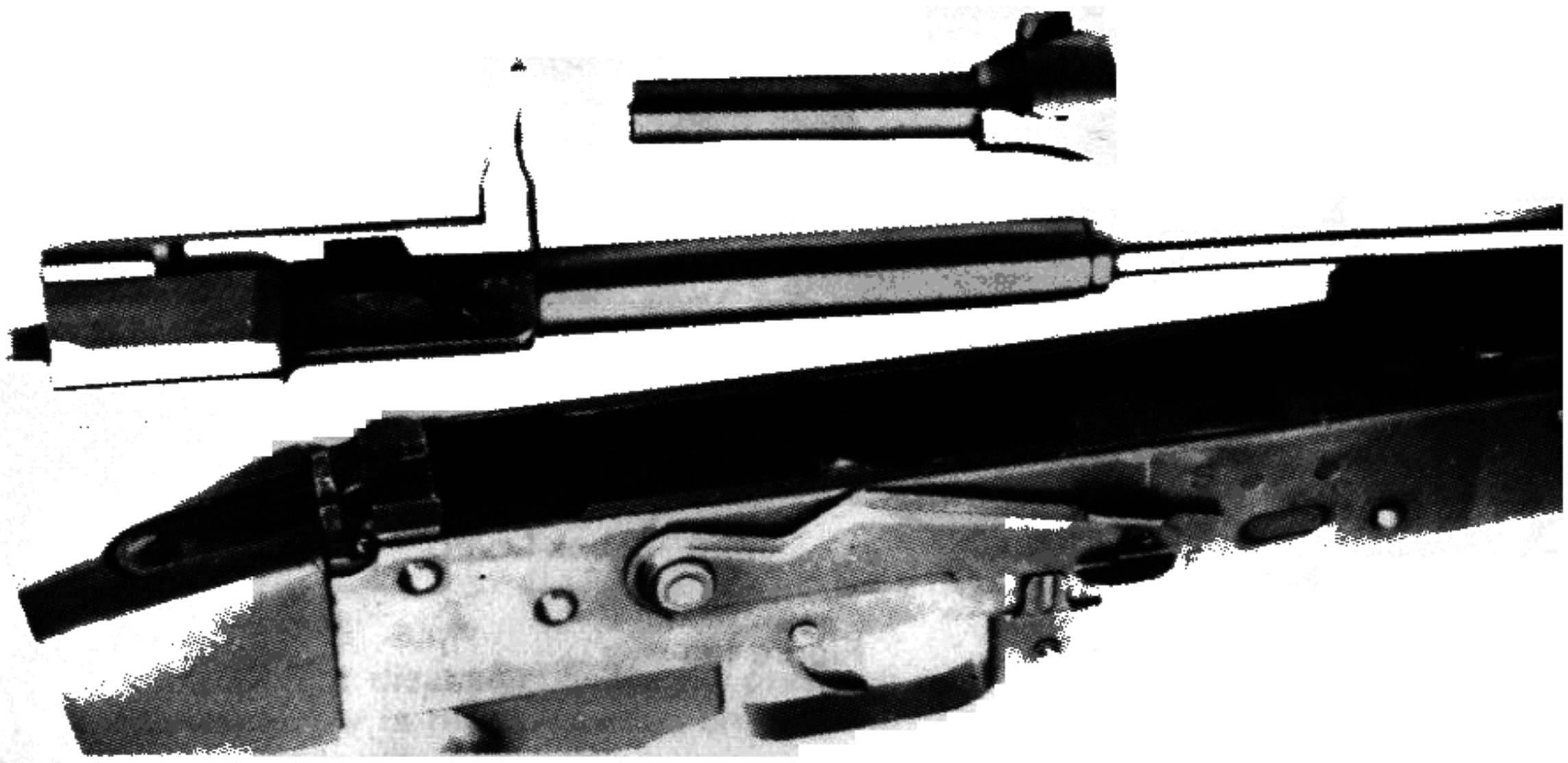


Figure 15

7. Disassemble the bolt by using the knock out rod on the combination tool or a pin punch of correct size. First remove the firing pin retaining pin. (See figure 16.) This will allow the firing pin to be removed from the rear of the bolt. Next, remove the extractor retainer pin. (See figure 17.) This will allow the extractor and extractor spring to be removed. When disassembling the bolt note the alignment of the extractor pin. When re-assembling, the notch in the extractor pin must be replaced exactly as removed to allow the firing pin retaining pin to be replaced.

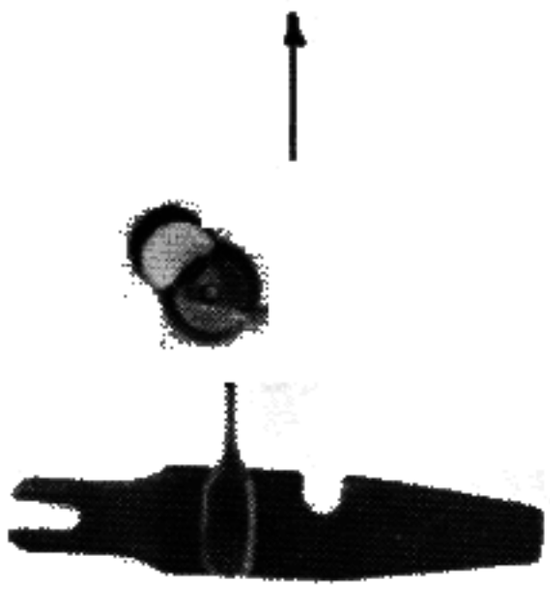


Figure 16

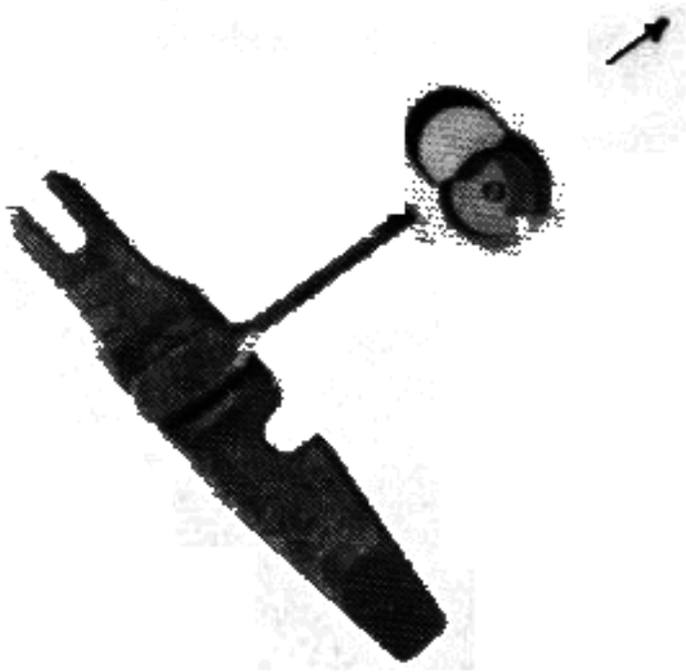


Figure 17

3. **Push forward on the action return spring retaining block and lift the action cover from the receiver. (See Fig.12)**

Figure 12

4. **Remove the action return spring retaining block by pushing forward to clear the receiver slot and lifting up. Once the action spring retaining block has been released, draw the action return spring assembly to the rear and remove. (See Fig. 13.)**

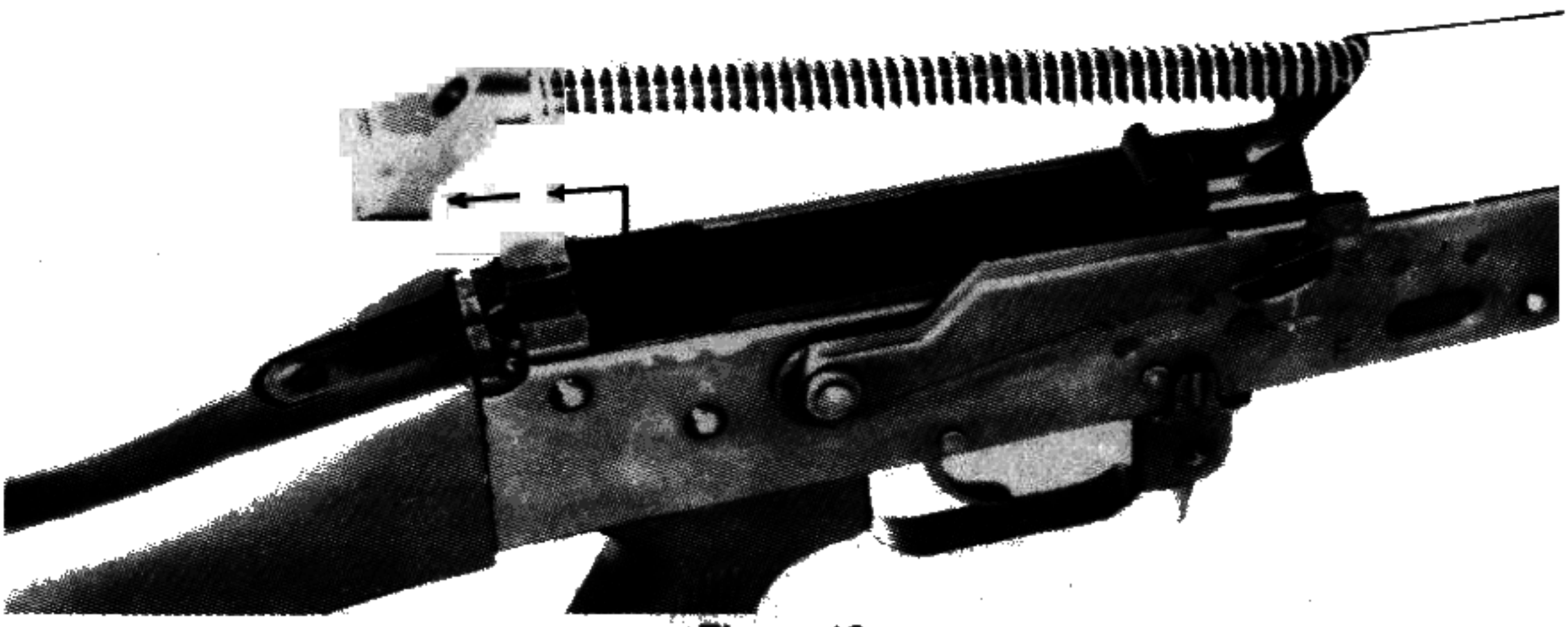


Figure 13

5. **Place the safety in the "Off Safe" position and draw the bolt carrier assembly completely to the rear and out of the receiver. (See Fig. 14.)**

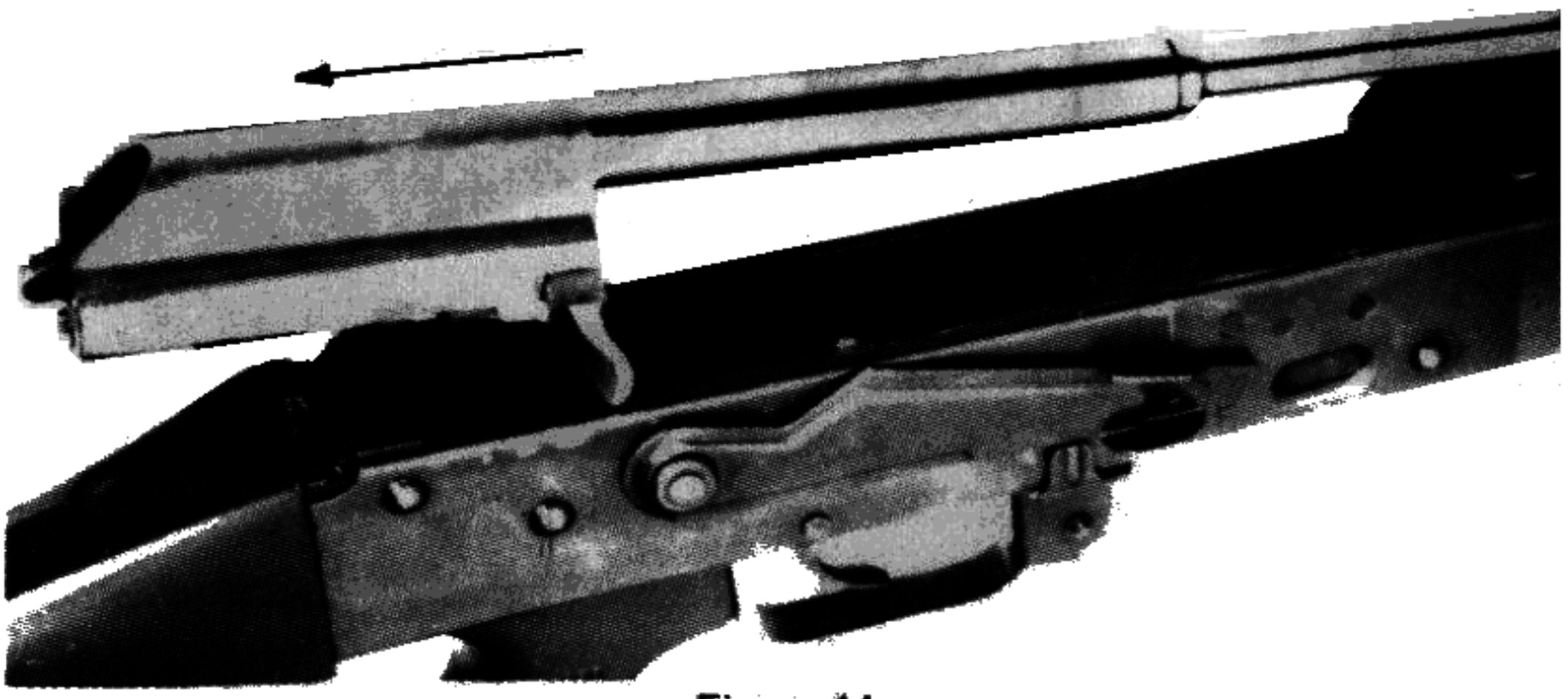


Figure 14

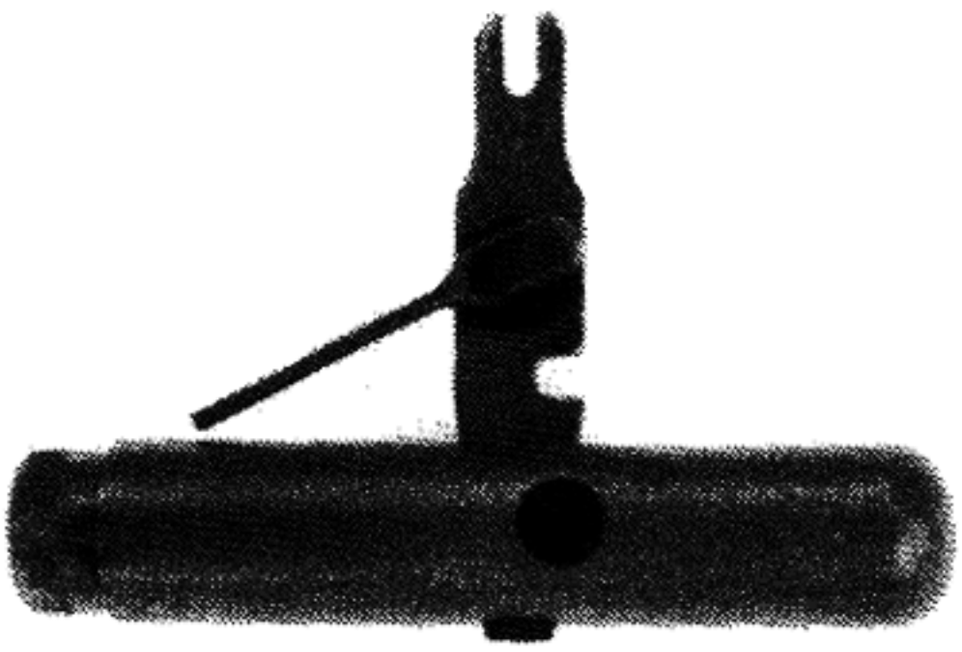


Figure 9

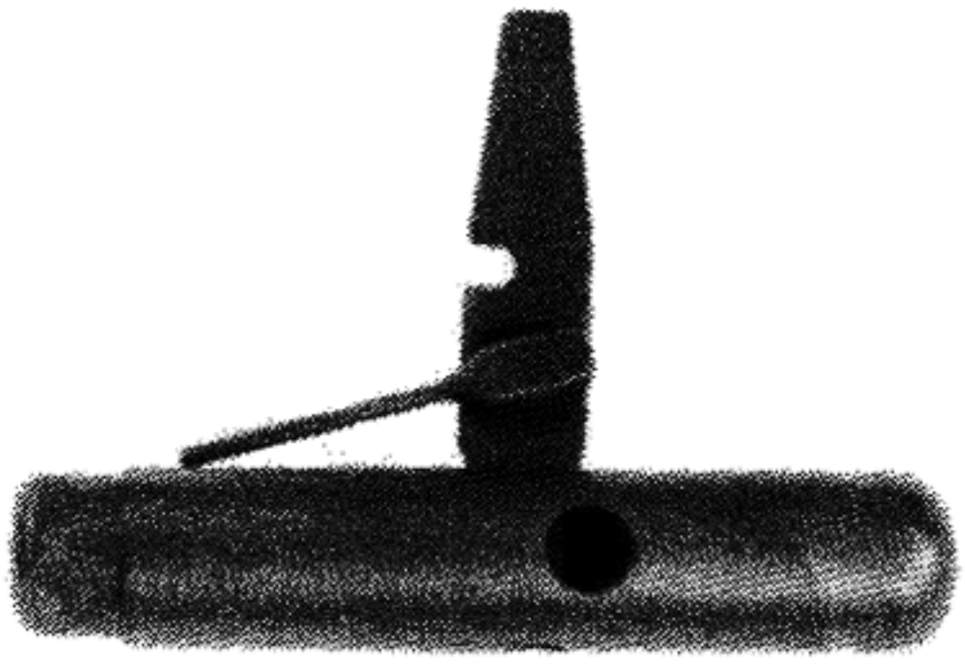


Figure 10

To use the tool as a key for removing, installing or adjusting the front sight, the screwdriver blade is inserted into the notches in the accessory case (through the long notch (c) and the short notch (d). (See Figure 9 .)

To use the tool as a screwdriver, the key is inserted onto the accessory case notches (through the long notch (c) and the short notch (d). (See Figure 10.)

DISASSEMBLY

The correct procedure for disassembly of your rifle follows:

1.

2. Remove the magazine by pushing forward on the magazine latch while pulling the magazine down and out of the receiver. (See Fig. 11.)

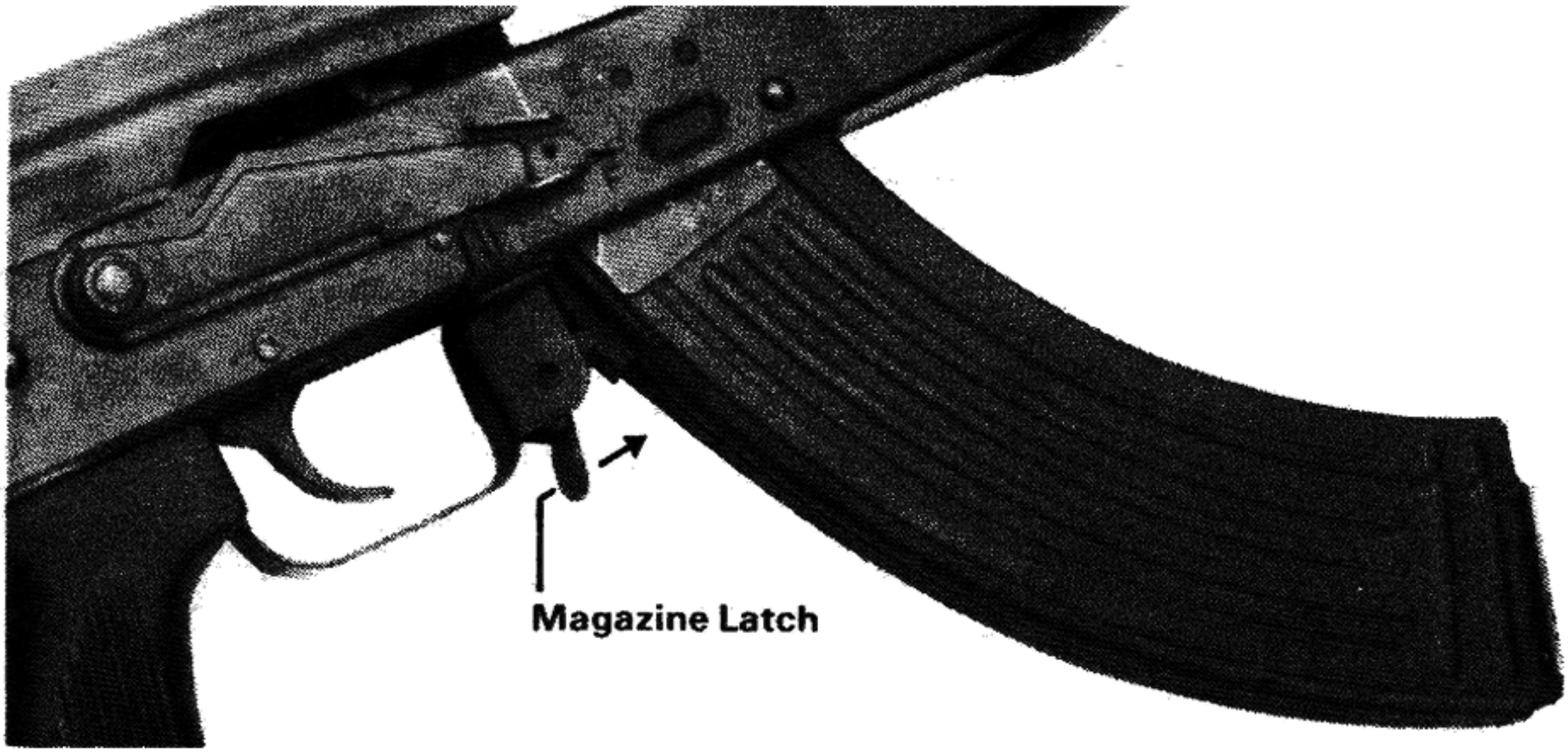


Figure 11

CLEANING EQUIPMENT STORAGE

The AKS accessory kit is stored within the buttstock of the Standard AKS and is a loose accessory with the Folding AKS. To remove the accessory kit from the Standard AKS, depress the Buttplate Cap with the index finger the amount necessary for the accessory case to be ejected from the buttstock by the Buttplate Spring. The cleaning rod is stored beneath the barrel of both models and can be removed by pulling the cleaning rod head out and upward from its retainer. The gas port reamer is an L shaped tool provided as a loose accessory with each AKS.

To prepare the cleaning rod to clean the bore, the accessory case must be attached to the cleaning rod as follows:

1. Insert the small end of the cleaning rod through the large hole in the accessory case so that the head of the cleaning rod passes inside the accessory case and butts against the case wall. (See Figure 8.)
2. Install the accessory case cap on the cleaning rod with the open end up.
3. Install the jag or brush on the threaded end of the cleaning rod. (See Figure 6 to install jag with combination tool.)
4. Insert the combination tool into the acessory case above the cleaning rod head.

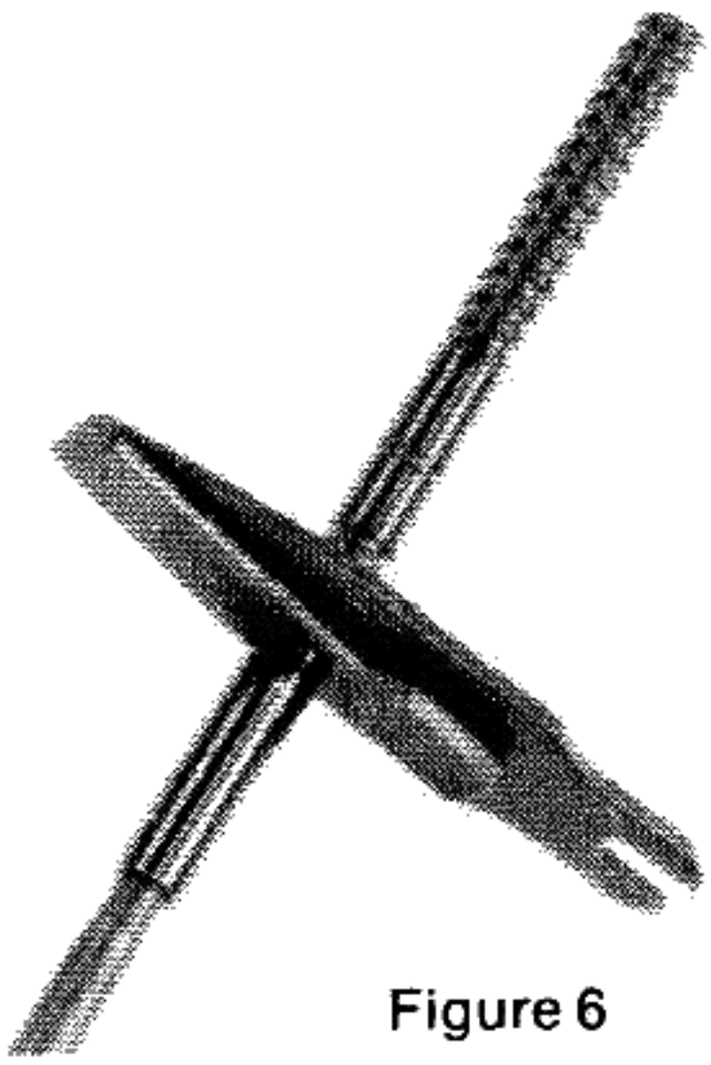


Figure 6

INSTALLING JAG ON CLEANING ROD WITH COMBINATION TOOL.

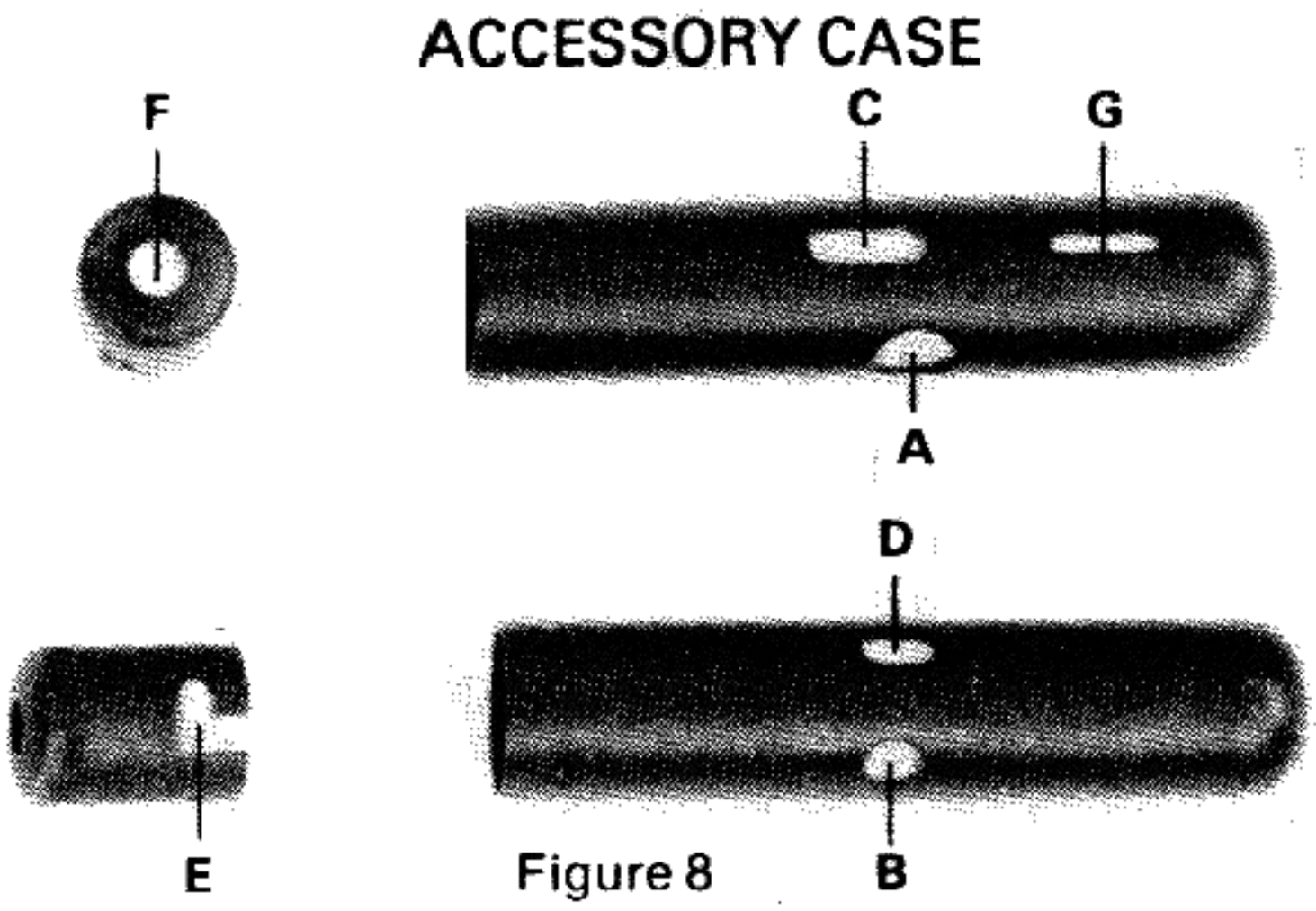


Figure 8

A. Large Hole } Use with cleaning rod
B. Small Hole }
C. Large Slot } Use with combination tool
D. Small Slot }
E. Notch
F. Hole for cleaning rod
G. Lock lever slot

Figure 7

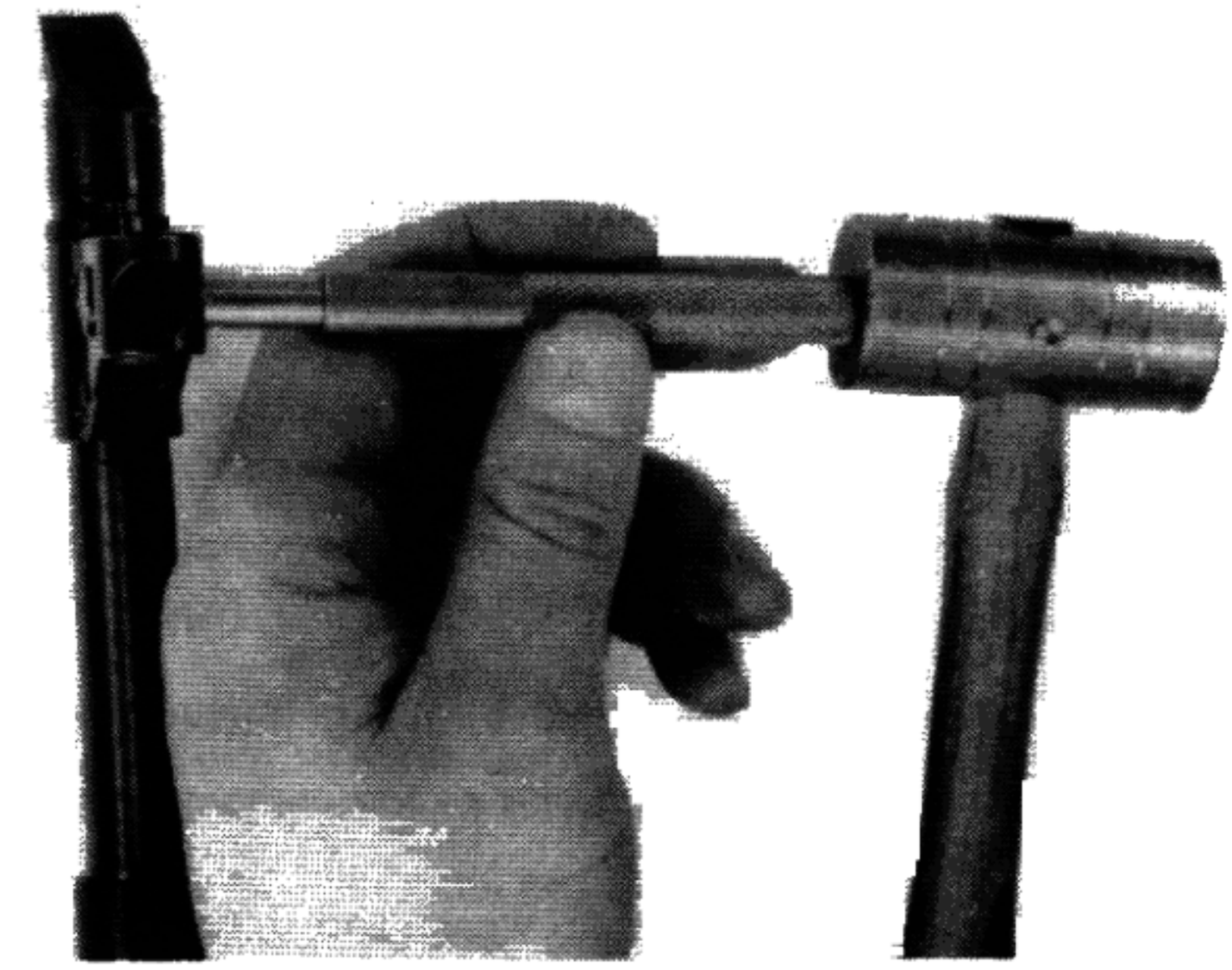


Figure 4

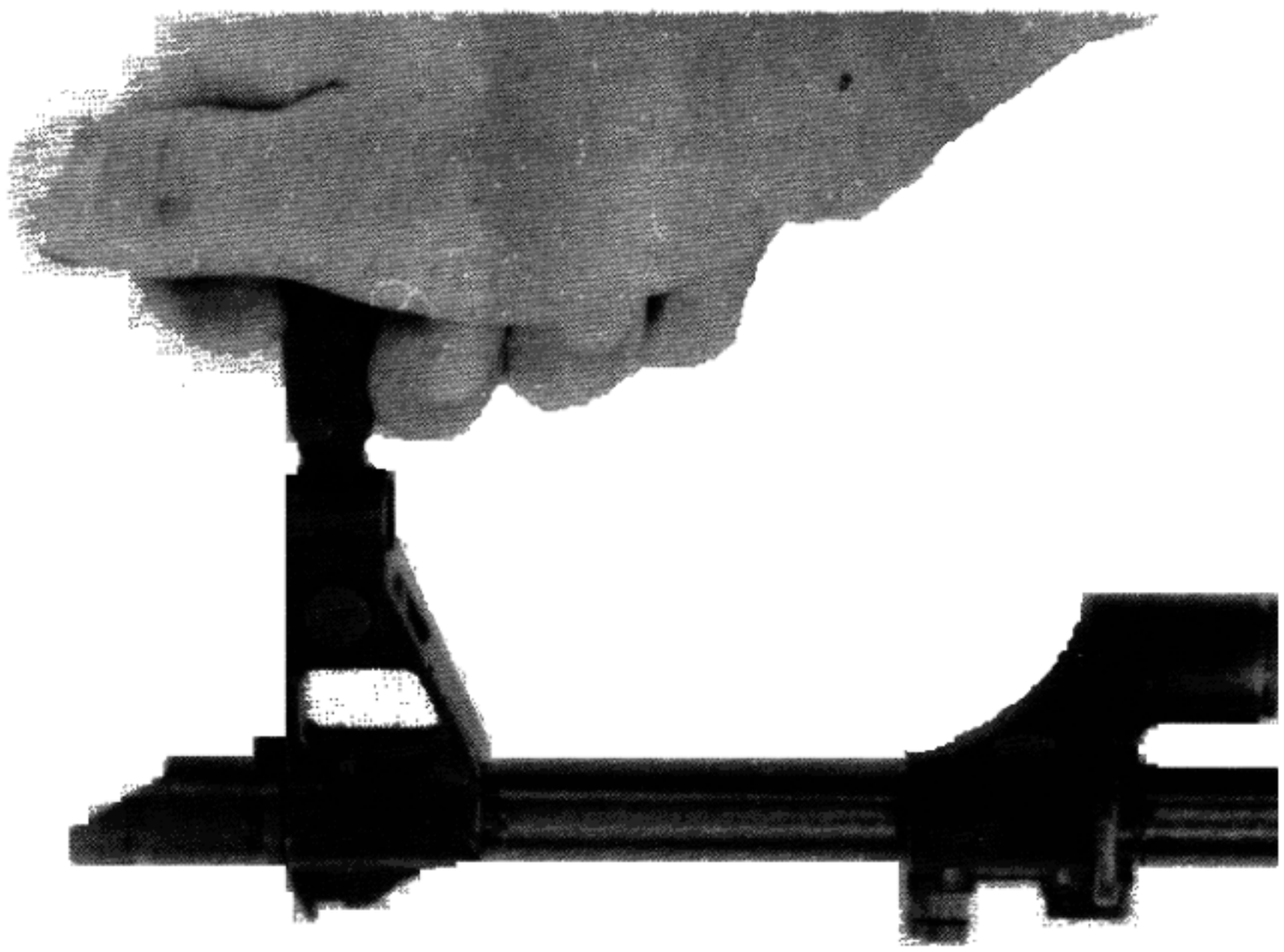


Figure 5

TRIGGER

The trigger mechanism has been adjusted at the factory to provide a pull consistent with safety. It is recommended that no attempt be made to change the weight of pull of the trigger.

LOADING THE RIFLE

The CLAYCO SPORTS AKS semi-automatic high power rifle is supplied with a 30 round box magazine adapted to limit the magazines capacity to 5 rounds. Additional magazines with 30 round capacity are available as accessories.

To load the magazine hold the magazine in one hand while using the other hand to carefully insert each cartridge into the magazine against the pressure of the spring loaded follower, until it is retained by the metal rims of the magazine body. Care should be exercised in positioning each cartridge so that its base is to the rear of the magazine. If the nose of a cartridge protrudes beyond the end of the magazine, it could interfere with insertion of the magazine.

To ready the rifle for loading, first insure that the safety lever is in the "ON SAFE" position.

Next, hold the rifle in a natural position with the barrel safely pointing at the ground. Use either hand to hold the rifle at the forearm. Then, insert the magazine into the receiver opening in front of the trigger guard of the rifle. A sharp, metallic click will indicate that the magazine is fully inserted and engaged with the magazine latch. A round may be chambered by placing the safety in the "off safe" position, drawing the bolt operating handle fully rearward and allowing it to freely return to its closed position.

Once a round has been chambered, the magazine unit may be removed at any time desired for refilling to capacity.

UNLOADING THE RIFLE

With the rifle "ON SAFE" and pointed in a safe downward direction release and remove the magazine. Next place the weapon "OFF SAFE". Grasp the bolt operating handle and move it smartly to the rear, thereby extracting and ejecting any live round in the chamber. As is always good safety practice, then visually inspect the chamber to be absolutely sure a round is not still present. Once this is determined the bolt may be allowed to close. The magazine may then be either kept loaded or the cartridges may be stripped from it with the thumb of either hand. To unload the magazine merely push forward on the base of each round until it clears the retaining rims.

REAR SIGHT

The CLAYCO SPORTS AKS is provided with a rear sight with graduated adjustments at 100, 200, 300, 400, 500, 600, 700 and 800 meters. The letter D designates battle setting when time does not permit setting the slide.

To set the rear sight for the required graduation, raise the sight leaf and move the slide until the Rear Sight Adjusting Block coincides with the desired graduation on the sight leaf, then release the sight leaf.

FRONT SIGHT

Horizontal adjustment should be correct at the time you purchase your AKS rifle. However, if for your sighting procedure a slight change appears necessary, a horizontal adjustment may be accomplished by moving the Front Sight Stud to the right or left. The Sight Stud is secured to the Front Sight Base by friction fit. By tapping the Front Sight Stud within the front sight base, it can be moved in the direction desired. A non-metallic material should bear against the Front Sight Stud during tapping to avoid marring the finish. In making the lateral adjustment, keep this simple rule in mind: the front sight stud should move the opposite direction from that you wish the point of bullet impact to move. Horizontal adjustment is a process of trial and error using the method described above. (See figure 4.)

Vertical adjustment may be made using the combination tool prepared as shown in figure 5. The assembly of the combination tool is shown on page 10. To raise the point of impact turn the front sight post clockwise. To lower the point of impact turn the front sight post counter-clockwise.

GENERAL OPERATING PROCEDURE

Your new CLAYCO SPORTS Model AKS is a gas operated, semi-automatic repeating rifle. With cartridges in the magazine and in the chamber and the safety in the "OFF SAFE" or "FIRE" position, the rifle will fire a single round with each successive pull of the trigger until the magazine and chamber are empty.

OPERATION OF THE SAFETY

The safety lever is located on the right side of the receiver. (See figure 2.) To place the rifle "on safe" move the lever upward until the lever aligns behind the bolt operating handle (see figure 2) and the letter "S" is visable below the safety lever. To place the rifle "off safe" move the lever downward until the lever is in correct alignment in either "C" or "F" position.

"ON SAFE" SAFETY POSITION

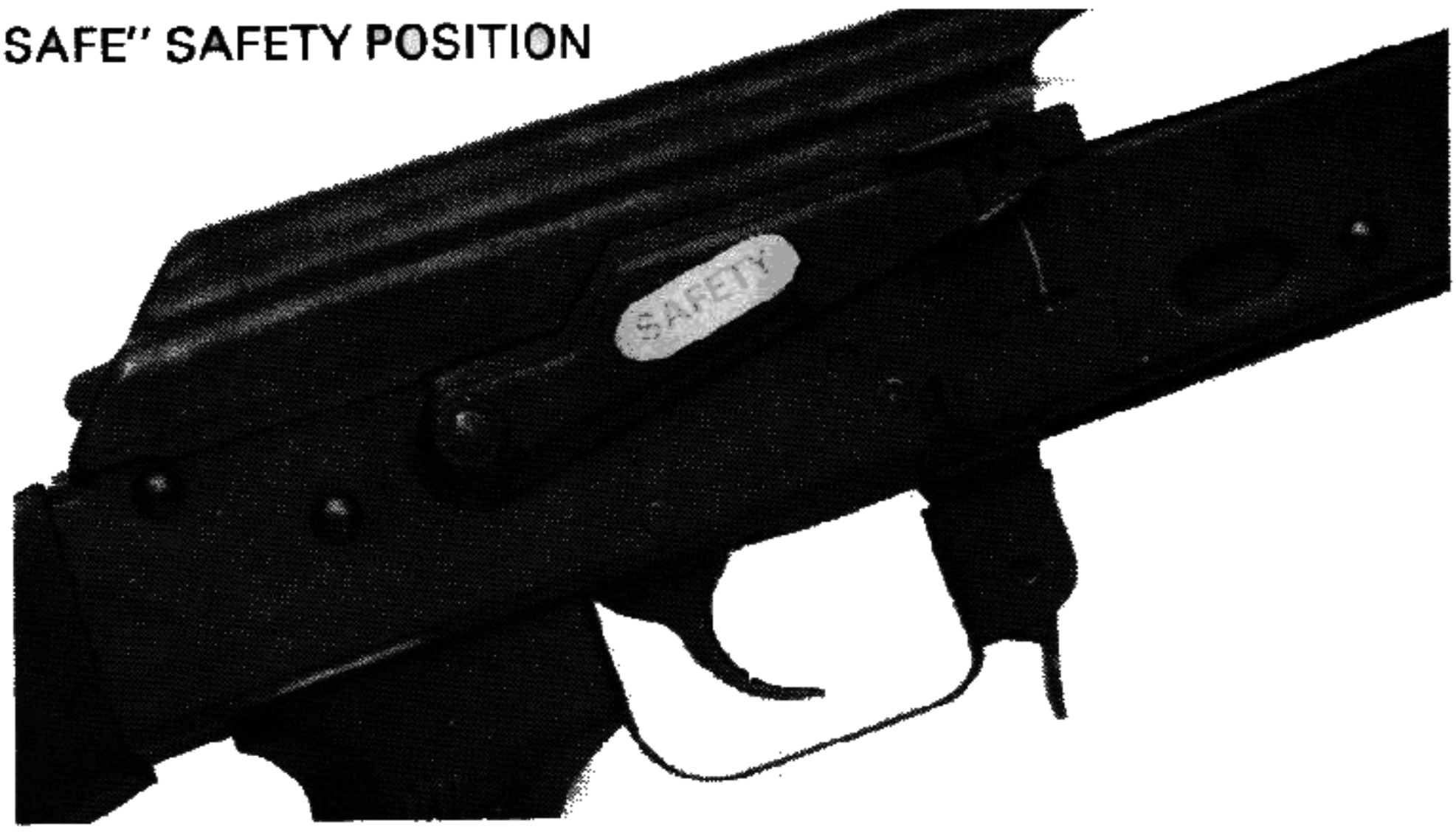


Figure 2

"OFF SAFE" SAFETY POSITION

Figure 3

15. cannot assume any responsibility for injuries suffered or caused by unauthorized servicing, alterations or modifications to CLAYCO SPORTS firearms.

16. cannot assume any responsibility through the use of unsafe or improper arms and ammunition combinations. It is your responsibility to read and heed all warnings including those that appear in this instruction manual and on ammunition boxes and to secure the most up to date information on the safe handling procedures for your CLAYCO SPORTS gun.

17. We call your attention to the fact that your gun is a mechanical device and as such, is subject to wear and need of periodic inspection, adjustment and service. CLAYCO SPORTS recommends that these services be performed by a competent gunsmith or CLAYCO SPORTS service facility.

NOMENCLATURE

In conventional gun terminology the position and movement of gun parts are described as they occur with gun horizontal and in normal firing position; i.e., the muzzle is forward or front; the buttstock is rearward or rear; the trigger is downward or underneath; the sights are upward or on top.

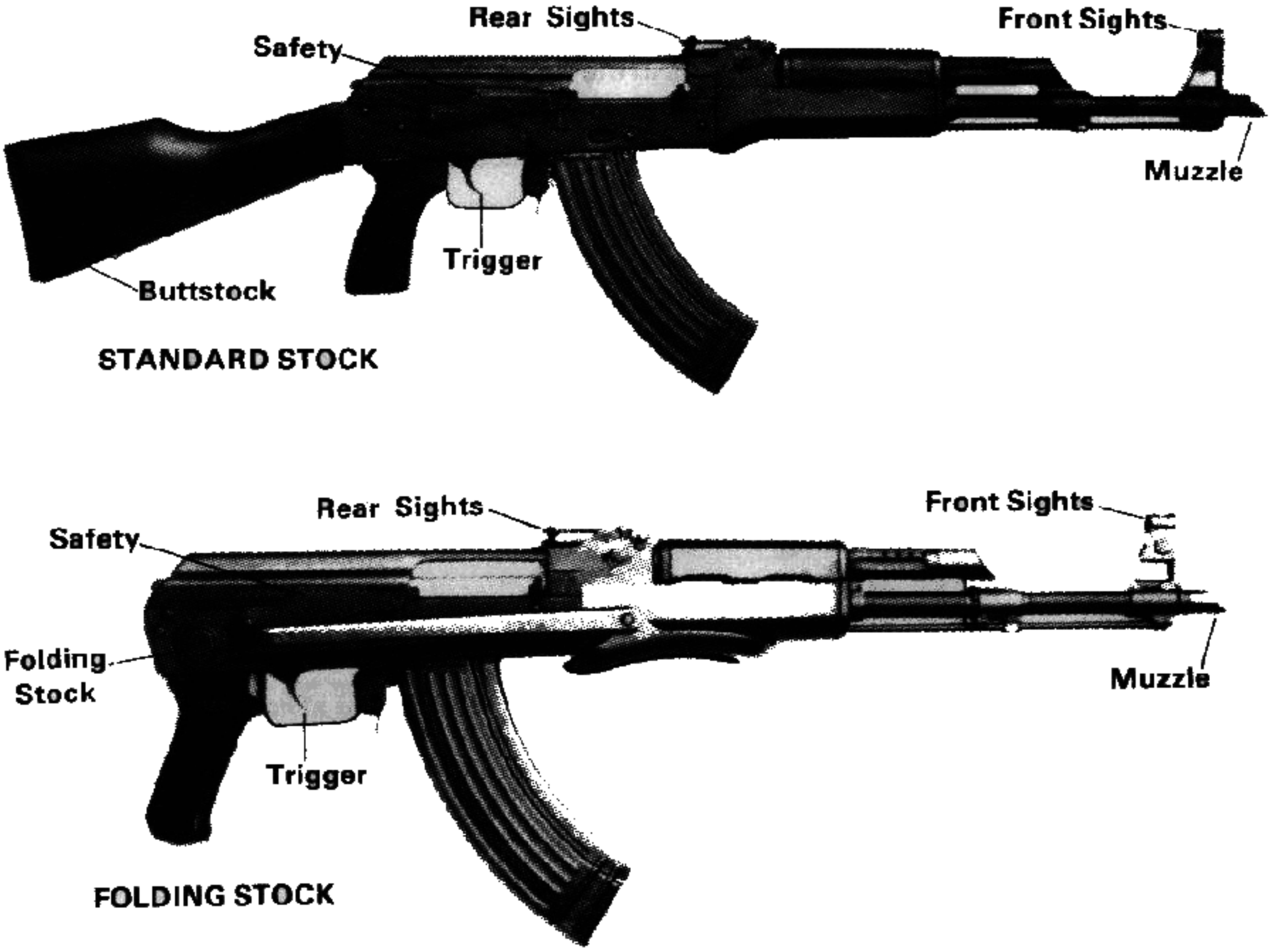


Figure 1

Like any mechanical device a safety can sometimes fail; it can be jarred or inadvertently manipulated into an unsafe condition. Mechanical "safeties" merely aid safe gun handling and are no excuse for pointing a rifle's muzzle in an unsafe direction.

While it is a good idea to "test" your rifle's mechanical "safety" periodically for proper function, NEVER test it while your rifle is loaded or pointed in an unsafe direction.

Safe gun handling does not stop with your gun's mechanical "safety" device. It starts there. Always treat this rifle with the respect due a loaded, ready-to-fire firearm.

4. Your responsibilities do not end when your rifle is unattended. Store your rifle and ammuunition separately - beyond the reach of children. Take all safe guards to insure your gun does not become available to untrained, inexperienced or unwelcomed hands.

5. for the safety of both your rifle and yourself. Before you load your rifle, open the action, - then glance through the barrel to be sure it is clear of any obstruction. Be careful how you carry your rifle. Do not permit the muzzle to dip into mud, snow or water. Do not thrust your barrel through a thicket with the possibility of ramming a twig into the bore. An infinite variety of objects may inadvertently lodge in a barrel. It takes only a small obstruction to dangerously increase pressures.

Before the first firing of your rifle, clean the bore with a cleaning rod and patch. Wipe away any anti-rust compounds in the action-chamber areas.

6. Treat every gun with the respect due a loaded gun - even though you are certain the gun is unloaded.

7. Whenever you accept a gun from another person, open the action if it isn't already open, and inspect the chamber and magazine to be sure all live rounds are cleared.

8. Be sure no persons, livestock, buildings, or other objects are behind or near your target. Be absolutely sure of target particularly during low light periods.

9. Know the range of your ammunition and be certain there is no chance of damage or accident. Never shoot at water or hard objects.

10. or negotiating other obstacles. Never lean a loaded gun against a fence, tree, car, or similar object.

11. we recommend that you always wear shooting glasses and hearing protection when shooting.

12. Your rifle must be used only with cartridges of the correct caliber as inscribed on the side of the barrel or receiver.

13. keep the muzzle pointed in a safe direction and hold this position for a minimum of 30 seconds. Carefully open the action and remove the cartridge. If the primer is indented, it should be disposed of in a way that can cause no harm. If the primer is not indented, your rifle should be examined by a qualified gunsmith and the cause of the malfunction should be corrected before future use.

14. Stress firearms safety to all members of your family, especially to children and non-shooters. Don't be timid when it comes to gun safety. If you observe other shooters violating safety precautions, politely suggest safer handling practices.

We are proud that you have chosen a CLAYCO SPORTS firearm. This firearm is manufactured by China North Industries Corporation (NORINCO), a comprehensive state enterprise combining manufacturing and trade, and an independent economic corporate body operating under the guidance of the governmental departments concerned. The factories and institutions of NORINCO have a powerful economic and technical basis and an immense productive capacity. NORINCO has a long history and rich experience especially in manufacturing firearms.

NORINCO has incorporated excellent materials and craftsmanship in this firearm and with just reasonable care it should provide you with years of pleasure and dependable service. If, by chance, you have any observations to make regarding its performance or appearance, we hope you will write CLAYCO SPORTS immediately.

We would also like to know more about you as a CLAYCO SPORTS firearms owner and would be grateful if you could take but a moment to complete and return the purchaser's record card found on the inside back cover.

CLAYCO SPORTS NEW GUN OWNER'S RECORD
Keep this record for future reference

Clayco Sports Model AKS _____

Serial Number _____ **Caliber 7.62 x 39mm**

Purchase Price _____

Purchased From _____

Date of Purchase _____

Important: Please fill out and mail the Purchaser's Record Card at the back of the booklet.

YOU ARE RESPONSIBLE FOR FIREARMS SAFETY

Please let us remind you that, as a gun owner, you accept a set of responsiblities of the most demanding nature. How seriously you carry out these responsibilities can be the difference between life and death. Mistakes made with guns are final and cannot be paid for with money or regret.

There is no excuse for careless or abusive handling of any firearm. At all times handle this firearm with intense respect for its force and power.

1. even though you are certain the rifle is unloaded. Never point your rifle at anything you do not intend to shoot. Be extremely alert and aware of all persons and property within the range of your ammunition.

2. receiver and magazine to be certain they do not contain any ammunition.

3. The word, "safety" describes a gun's trigger block mechanism, sear block mechanism, hammer block mechanism or firing pin block mechanism. These mechanical devices are designed to place your gun in a SAFER status. No guarantee can be made that the gun will not fire even if the "safety" is in the "on safe" position.